

- VOLLAND, L. A. 1976. Plant communities of the central Oregon pumice zone. U.S.D.A. For. Serv. Pac. Northwest Region R6 Area Guide 2.
- WARD, J. H. 1963. Hierarchical grouping to optimize an objective function. *J. Amer. Stat. Assoc.* 58:236–244.
- WINKLER, D. W. and G. DANA. 1977. Summer birds of the lodgepole-aspen forest in the southern Warner Mountains, California. *Western Birds* 8:45–62.
- WRIGHT, H. A., L. F. NEUENSCHWANDER, and C. M. BRITTON. 1979. The role and use of fire in sagebrush-grass and pinyon-juniper plant communities. A state of the art review. U.S.D.A. For. Serv. Gen. Tech. Rep. INT-58.

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NOTEWORTHY COLLECTIONS

CALIFORNIA

MALOSMA LAURINA (Nutt. in Torrey & A. Gray) Nutt. ex Abrams (ANACARDIACEAE).—San Luis Obispo Co., outskirts of Arroyo Grande, hills on W side of Oak Park Rd, ca. 0.5 km N from jctn with Noyes Rd, population of ca. 20 shrubs in *Quercus agrifolia* woodland, 16 Mar 1990, *D. Keil 21343 with L. D. Oyler* (OBI); large shrubs scattered in coastal scrub and chaparral on hills E of Hwy 227, N of Arroyo Grande, ca. 0.5 km S from jctn with Noyes Rd, 20 Mar 1990, *D. Keil 21346 with V. L. Holland* (OBI).

Previous knowledge. Coastal hills and mountains along Pacific slope from Santa Ynez Mts. of Santa Barbara Co., California to middle of Baja California peninsula (Munz, *A California Flora*, 1959; Smith, *Flora of the Santa Barbara region, California*, 1976; Wiggins, *Flora of Baja California*, 1980).

Significance. First records for San Luis Obispo Co., a northward range extension of ca. 70 km. *Rhus integrifolia* Nutt., similarly disjunct from Santa Barbara Co., was present in chaparral on the site where *Keil 21346* was collected. Keil et al. (Madroño 32:214–224, 1985) reported *R. integrifolia* as new to San Luis Obispo County from a site ca. 0.5 km N of this location.

Smith (l.c.) noted that *M. laurina* is frequently planted along highways in Santa Barbara County. Human introduction of *M. laurina* into San Luis Obispo County cannot be ruled out; species exotic to the site (e.g., *Eucalyptus globulus* and *Pinus radiata*) are well-established in areas near the site for *Keil 21346*. In any case *M. laurina* is well established and reproducing in the Arroyo Grande area.—DAVID J. KEIL, Biological Sciences Department, California Polytechnic State University, San Luis Obispo, CA 93407.